

10/575254

IAP20 Rec'd of GPP10 10 APR 2006

1

SEQUENCE LISTING

<110> National Institute of Advanced Industrial Science and Technology

<120> The support having affinity to antibody

<130> 341-02845

<140>

<141>

<160> 10

<170> Patent In Ver. 2.1

<210> 1

<211> 70

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Protein for  
antibody immobilization

<400> 1

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile  
1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln  
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala  
35 40 45

Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys Gly Gly Gly Gly Cys Ala  
50 55 60

Asp Asp Asp Asp Asp Asp  
65 70

<210> 2

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Protein for  
antibody immobilization

<400> 2

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile  
1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln  
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala  
35 40 45

Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys Ala Asp Asn Asn Phe Asn  
50 55 60

Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu  
65 70 75 80

Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln Ser Leu Lys Asp Asp Pro  
85 90 95

Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala Lys Lys Leu Asn Glu Ser  
100 105 110

Gln Ala Pro Lys Gly Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp  
115 120 125

<210> 3

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Protein for  
antibody immobilization

<400> 3

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile  
1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln  
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala  
35 40 45

Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys Ala Asp Asn Asn Phe Asn  
50 55 60

Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu  
65 70 75 80

Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln Ser Leu Lys Asp Asp Pro  
85 90 95

Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala Lys Lys Leu Asn Glu Ser  
100 105 110

Gln Ala Pro Lys Gly Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp  
115 120 125

<210> 4

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Protein for  
antibody immobilization

<400> 4

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile  
1 5 10 15

Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln  
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala  
35 40 45

Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys Ala Asp Asn Asn Phe Asn  
50 55 60

Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu  
65 70 75 80

Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln Ser Leu Lys Asp Asp Pro

4

85

90

95

Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala Lys Lys Leu Asn Glu Ser  
100 105 110

Gln Ala Pro Lys Gly Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp  
115 120 125

<210> 5

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Linker peptide

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Gly Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp  
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<210> 6

<211> 216

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:DNA coding  
protein for antibody immobilization

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atggctgata acaatttcaa caaagaacaa caaaatgott tctatgaaat cttgaatatg 60  
cotactttaa acgaagaaca acgaatggt ttoatcoaaa gcttaaaaga tgacccaagg 120  
caaagtgota aactattgto agaagotaaa aagttaaag aatctcaagg acogaaaagg 180  
ggcgggtggc ggcgtgatga cgatgacgat gactaa 216

<210> 7

<211> 390

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:DNA coding

## protein for antibody immobilization

&lt;400&gt; 7

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ootaaottaa aogaagaaca aogoaatggt ttcacccaaa gcttaaaaaa tgaccaaago 120
caaagtgata acctattgtc agaagctaaa aagttaaatg aatctcaago accgaaagot 180
gataacaatt tcaacaaaga acaacaaaat gctttotatg aatottgaa tatgcotaac 240
ttaaacgaag aacaacgcaa tggtttcac caaagcttaa aagatgacco aagccaaagt 300
gtaaacctat tgtaagaagc taanaagtta aatgaatctc aagcaccgaa aggtggcgg 360
ggctgogotg atgacgatga ogatgactaa 390

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&lt;210&gt; 8

&lt;211&gt; 302

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:DNA coding  
protein for antibody immobilization

&lt;400&gt; 8

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ggatccttga caatatctta actatctgtt ataatatatt gaacaggtta actaaactaag 60
cagcaaaaagg aggaacgaat atggctgata acaatttcaa caaagaacaa oaaaatgctt 120
tctatgaat ctgaaatag cctaacttaa acgaagaaca aogoaatggt ttcacccaaa 180
gottaaaaa tgaoocaaago caaagtgtc acctattgtc agaagctaaa aagttaaatg 240
aatctcaago accgaaaggt ggcggtggt gcgctgatga ogatgacgat gactaagaat 300
to 302

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&lt;210&gt; 9

&lt;211&gt; 476

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:DNA coding  
protein for antibody immobilization

&lt;400&gt; 9

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ggatccttga caatatctta actatctgtt ataatatatt gaacaggtta actaaactaag 60
cagcaaaaagg aggaacgaat atggctgata acaatttcaa caaagaacaa oaaaatgctt 120
tctatgaat ctgaaatag cctaacttaa acgaagaaca acgcaatggt ttcacccaaa 180
gottaaaaa tgaccaaagc caaagtgtc acctattgtc agaagctaaa aagttaaatg 240
aatotoaago aogaaagot gataacaatt toaacaaga acaacaaaat gctttctatg 300
aatcttgaa tatgcotaac ttaaacgaag acaacgcaa tggtttcac caaagcttaa 360
aagatgacco aagccaaagt gtaaacctat tgcagaagc taanaagtta aatgaatctc 420
aagaaoogaa aggtggcggg ggctgogotg atgaogatga ogatgactaa gaattc 476

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<210> 10  
<211> 74  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Additional DNA  
sequence for gene expression

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aaggaggaac gact 74